

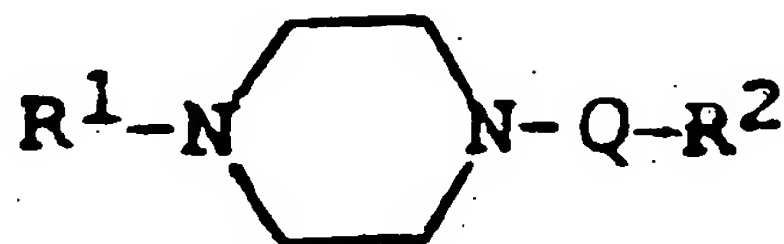
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12. (Canceled)

Claim 13. (Currently Amended) A compound of the formula:



wherein R^1 is lower alkanoyl, lower alkoxy carbonyl, aroyl, aroyl substituted by halo(lower)alkoxy, arylsulfonyl, arylsulfonyl substituted by halogen, lower alkylsulfonyl or cyclo(lower)alkylcarbonyl;

R^2 is ~~lower alkylamino, lower alkenylamino, lower alkynylamino, cyclo(lower)alkylamino, arylamino, or an amino group substituted with a heterocyclic~~
~~group~~ aryl amino which is optionally substituted with halogen or pyridyl amino;

~~Y is a single bond or lower alkylene; and~~

Q is -CO- [[or -SO₂-]], and a pharmaceutically acceptable salt thereof.

Claim 14. (Canceled)

Claim 15. (Previously Presented) The compound according to Claim 13, which is 1-acetyl-4-(4-fluorophenylcarbamoyl)piperazine.

Claim 16. (Currently Amended) A process for preparing a compound of the formula:



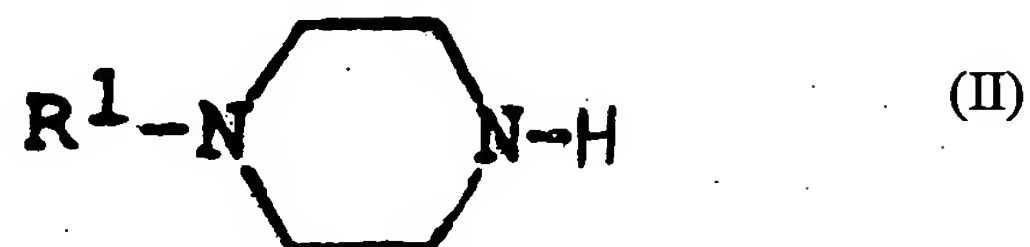
wherein R^1 is lower alkanoyl, lower alkoxycarbonyl, aroyl, aroyl substituted by halo(lower)alkoxy, arylsulfonyl, arylsulfonyl substituted by halogen, lower alkylsulfonyl or cyclo(lower)alkylcarbonyl;

R^2 is ~~lower alkylamino, lower alkenylamino, lower alkynylamino, cyclo(lower)alkylamino, arylamino, or an amino group that is substituted by a heterocyclic~~ group[[,]] which optionally is substituted by a substituent(s) halogen or pyridylamino;

~~Y is a single bond or lower alkylene~~; and

Q is -CO- [[or -SO₂-]], or a pharmaceutically acceptable salt thereof, which comprises:

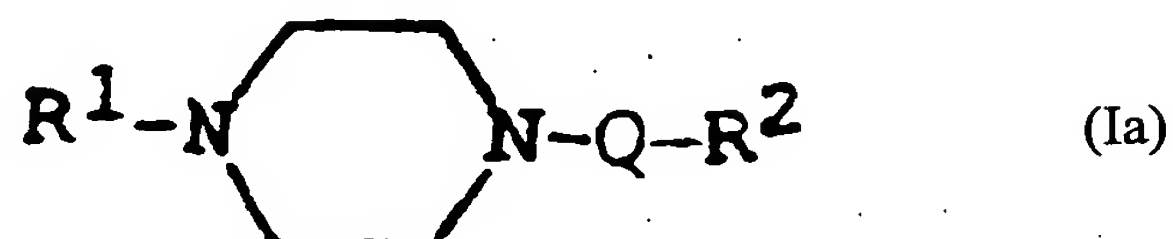
1) reacting a compound of the formula:



or its salt with a compound of the formula:

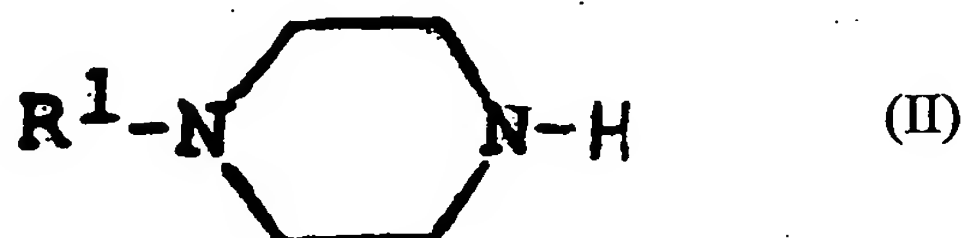


or its reactive derivative at the carboxy or sulfo group, or a salt thereof to provide a compound of the formula:



or its salt, in the above formulas, R^1 , R^2 and Q are each as defined above;

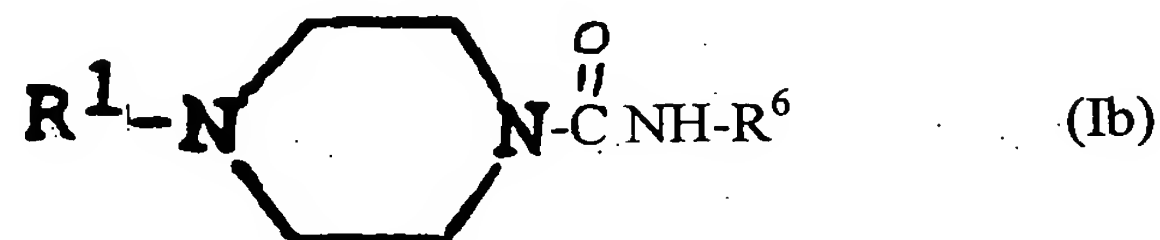
(2) reacting a compound of the formula:



or its salt with a compound of the formula:

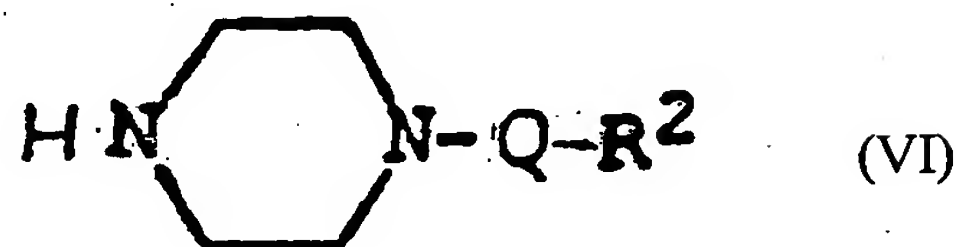


to provide a compound of the formula:



or its salt, wherein, in the above formulas, R^1 are each as defined above, and R^6 is aryl which may be substituted with halogen, or pyridyl, or

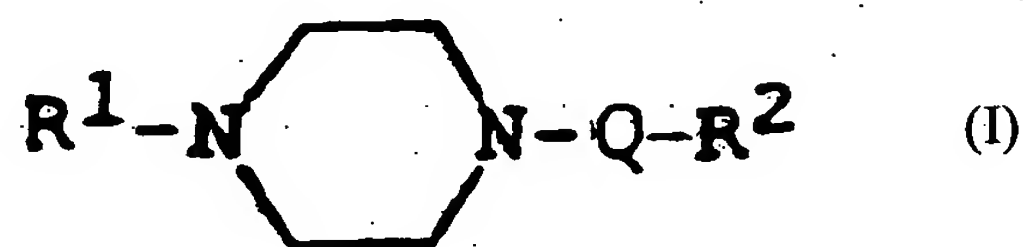
3) reacting a compound of the formula:



or its salt with a compound of the formula:

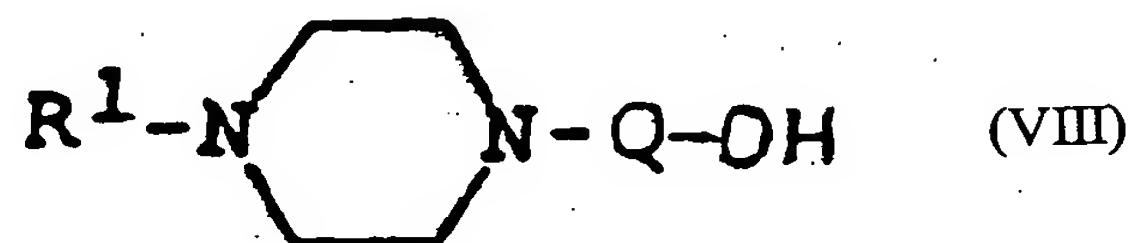


or its reactive derivative at the carboxy or sulfo group, or a salt thereof to provide a compound of the formula:



or its salt, in the above formulas, R^1 , R^2 and Q are each as defined above, or

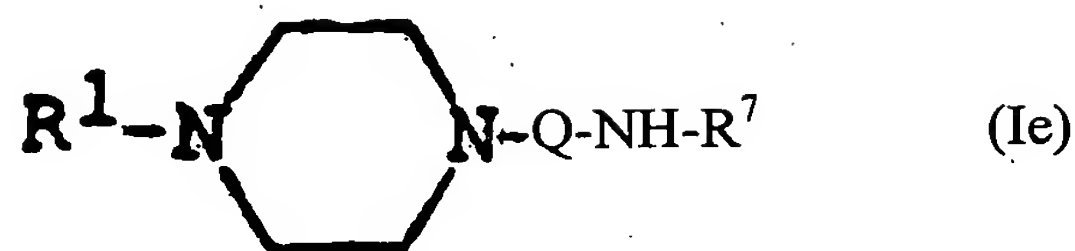
4) reacting a compound of the formula:



or its reactive derivatives at the carboxy or sulfo group, or a salt thereof with a compound of the formula:



or its salt to provide a compound of the formula:



or its salt, in the above formulas, R^1 , A and Q_a are each as defined above, and

R^7 is ~~lower alkyl, lower alkenyl, lower alkynyl, cyclo(lower)alkyl, aryl, or a heterocyclic group~~ aryl which optionally is substituted with halogen or pyridyl.

Claim 17. (Previously Presented) A pharmaceutical composition, comprising:
a compound of Claim 13, as an active ingredient, in association with a pharmaceutically acceptable, substantially non-toxic carrier or excipient.

Claim 18. (Previously Presented) A method for the therapeutic treatment of amnesia, dementia or schizophrenia, which comprises:

administering an effective amount of a compound of Claim 13 to mammals.

Claim 19. (Currently Amended) The compound according to Claim 13, wherein R^1 is lower alkanoyl, methoxycarbonyl, tert-butoxycarbonyl, benzoyl, benzoyl substituted by halo(lower)alkoxy, phenylsulfonyl, phenylsulfonyl substituted by halogen, lower alkylsulfonyl or cyclo(lower)alkylcarbonyl; R^2 is lower alkylamino, lower alkenylamino, lower alkynylamino, cyclo(lower)alkylamino, or phenylamino, each of which is optionally substituted with halogen;

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~~Y is a single bond or lower alkylene; and~~

Q is -CO- [[or -SO₂-]], and a pharmaceutically acceptable salt thereof.

Claim 20. (Canceled)